

REMARKS

Claims 1-5, 10-28 and 32-38 are rejected under 35 U.S.C. 102(b) as being anticipated by U.S. Patent Application No. 2002/0126644 to Turpin et al. (hereinafter Turpin). Claims 32-38 have been cancelled.

A claim is anticipated only if each and every element as set forth in the claim is found, either expressly or inherently described, in a single prior art reference. See MPEP § 2131.

Regarding claims 1 and 12, Turpin does not disclose the limitations of electrical signals received from different antennas (i.e., a first electrical signal received from a first antenna and a second electrical signal received from a second antenna). In FIG. 3, Turpin discloses a receiver having a single antenna that receives a multiuser signal $S_n(t)$, but does not disclose multiple antennas receiving signals. (See page 6, paragraph 0081 which states signal 10 comprising multiuser signals (depicted as $S_1(t)$, etc.) is received by receiving means or antenna 12 and passed through signal conversion means 14.) Note here that Turpin makes reference to a single antenna 12.

Regarding claim 5, Turpin does not disclose the limitation of “a flat lens having unity transmittance and that is disposed optically upstream of a Fourier lens disposed between the first and second electrical signal input and the first and second output.” The Examiner equates the beam forming lenses 124 in Turpin’s FIG. 14 to Applicants’ claimed flat lens having unity transmittance and equates the integration lenses 126 of Turpin’s FIG. 14 to Applicants’ Fourier lens. Applicants assert that nothing in paragraph 0137 or Turpin in general supports the Examiner’s position. Turpin merely states that some optics that may be used in implementing some embodiments of the invention are beam-forming lenses 124, imaging lenses 125 and integration lenses 126. This statement does not anticipate the aforementioned claim 5 limitation.

Regarding claim 24, Turpin does not disclose a code division multiple access radio receiver comprising a plurality of antennas. As previously stated, Turpin discloses a multichannel optical correlator having a single receive antenna 12.

Regarding claim 26, Applicants submit that claim 26 is patentable for the same reasons as set forth above with respect to claim 5.

Claims 6-8 and 29-31 are rejected under 35 U.S.C. 103 (a) as being unpatentable over Turpin in view of U.S. Patent No. 6,529,614 to Chao et al. Applicants submit that claims 6-8 and 29-31 are allowable by virtue of their dependency, directly or indirectly, on allowable claims 1 and 24, respectively.

Claim 9 is rejected under 35 U.S.C. 103(a) as being unpatentable over U.S. Patent Application Publication No. 2002/0126644 to Turpin et al. in view of Chao et al and further in view of U.S. Patent No. 6,570,708 to Bergeron et al. Applicants submit that claim 9 is allowable by virtue of its dependency on allowable claim 1.

Claims 39-41 are rejected under 35 U.S.C. 103(a) as being unpatentable over Turpin in view of U.S. Patent No. 5,274,716 to Mitsouka et al. Claims 39-41 have been cancelled.

In view of the foregoing amendments and remarks, Applicants submit that claims 1-10, 12, and 14-31 are in condition for allowance. Applicants request the reconsideration and reexamination of this application and the timely allowance of the pending claims. Please charge any fees associated herewith, including extension of time fees, to 50-2117.

Respectfully submitted,
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